



SAFETY DATA SHEET

1. Identification of Substance and Manufacturer:

AUTO CLEAN AUTOCLAVE CLEANER & ENHANCER PCN: 00239

Use: AutoClave Cleaner. diluted as per instructions

Manufacturer : L&R Manufacturing Company, 577 Elm Street, P.O. Box 607 Kearny, NJ 07032-0607 USA.

Publication Date: 3/20/2014

REV: H

Product information call 201-991-5330 www.lrultrasonics.com

For emergencies involving a spill, leak fire or accident contact CHEMTREC 800-424-9300 with the United States. Or (01) 703-527-3887 (USA) for International collect calls.

2. HAZARDS IDENTIFICATION



WARNING! IRRITANT. MAY BE HARMFUL IF SWALLOWED

Physical appearance and odor: Clear to slightly hazy liquid with a mild odor.

A: WARNING STATEMENT: Good industrial hygiene practices should be used when handling this material.

Acute Eyes: Direct contact causes mild to severe irritation..

Acute Skin: Prolonged or repeated contact causes redness, and drying of the skin.

Acute Inhalation: Breathing high concentrations of vapors or mists may cause irritation to the nose throat and lungs.

Acute Ingestion: May irritate or burn mouth, esophagus or stomach.

B: POTENTIAL HEALTH EFFECTS:

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogen

Not for use in an ultrasonic tank.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Water	7732-5-18	70 – 80
Sodium Ethylenediaminetetra acetic acid	64-02-8	15 - 20
Sodium Bisulfate	7681-38-1	1 - 5
Sodium Nitrite	7632-00-0	0.1 – 1.0

The exact concentration of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Eye Exposure: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

Skin Exposure: Wash thoroughly with water. If irritation or redness develops, seek medical attention.

Inhalation: If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Ingestion: Give large quantities of water. DO NOT INDUCE VOMITING. Seek immediate medical attention..

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin contact may aggravate existing skin disease.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

Suitable Extinguishing Media: Extinguish with dry chemical, CO₂ or a BC/ABC extinguisher.

Special Fire Fighting Procedures: None known

Unusual Fire and Explosion Hazards: Closed containers may explode due to build up of pressure when exposed to extreme heat.

Hazardous Decomposition Materials: (under fire conditions) Oxides of nitrogen and carbon.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Ventilate area of spill. Use non-reactive material to pick up spill. Dispose of in accordance with local, state and federal regulations.

Regulatory Reporting: Not required

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures: 39 to 100°F. Protect from moisture.

HANDLING: AVOID CONTACT WITH SKIN, EYES OR CLOTHING

8. EXPOSURE CONTROL/PERSONAL PROTECTION

General: These recommendations provide general guidance for handling of this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. When developing safe handling procedures, do not overlook the need to clean and dispose of the material. Waste resulting from the use of this product should be handled in accordance with Section 13: Disposal Considerations.

Exposure Guidelines: Exposure limits are recommended worker breathing limits. The following limits apply to this material:

<u>INGREDIENTS</u>	<u>LIMITS</u>	<u>INGREDIENTS</u>	<u>LIMITS</u>
Sodium Ethylenediaminetetra acetic acid	None established	Sodium Bisulfate	None established
Sodium Nitrite	None established		

Engineering Controls: Normal room ventilation.

Respiratory Controls: For reasonable uses of this material, respiratory protection should not be necessary.

Eye/Face Protection: Safety glasses to protect from splashing.

Skin Protection: Rubber or plastic gloves to avoid drying and irritation to the skin.

Work Practice Control: Normal hygiene in the work area should be taken when working with or handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear to slightly hazy liquid

pH: Approximately 7

Water Solubility: Soluble

Freezing Point Range: Not established

Vapor Pressure: Not established

Flash Point: None

Method: Tag Closed Cup

Flammability limits (vol/vol %): Lower: No Data Upper: No Data

Percent volatile by volume: 85 – 90 % as water **V.O.C. (calculated):** Virtually Zero (0)

Color: Water White

Specific Gravity: 1.09-1.10

Melting Point Range: Not available

Boiling Point: > 212°F

Vapor Density: Not established

Odor: Mild Odor

Odor Threshold: Not available

Evaporation Rate: Not Applicable

Partition Coefficient; n-octanol / water: Not available

Decomposition Temperature: Not available

Auto Ignition Temperature: Not available

VISCOSITY: Similar to water

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to be avoided: Excessive heat and cold

Materials/Chemicals to be avoided: Strong oxidizing agents

Decomposition Type: Thermal: Oxides of carbon nitrogen and sulfur

Possibility of Hazardous Reactions: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: Irritating to eyes.

Acute Skin Irritation: No test data found for product.

Acute Dermal Toxicity: No test data found for product.

Acute Respiratory Irritation: No test data found for product.

Acute Inhalation Toxicity: No test data found for product.

Acute Oral Toxicity: LD50 (rat) = 2800 mg/kg for Sodium bisulfate

LD50(rat) = 120 mg/ kg for Sodium Nitrite

LD50 (rat) 2580 g/kg for Sodium Ethylenediaminetetra acetic acid

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC OR ACGIH to be a probable or suspected human carcinogen. No additional test data was found for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found.

13. DISPOSAL CONSIDERATIONS

This product is Non-hazardous and can be disposed in sanitary sewer system where permitted by local, federal and state regulations.

14. TRANSPORTATION INFORMATION

This product is not regulated for transportation. Do not stack cartons more than five high.

15. REGULATORY INFORMATION

Inventory Issues: All components of this product are listed on the U.S. TSCA, Canadian DSL, European EINECS/ELINS chemical listings

16. OTHER INFORMATION

National Fire Protection Association

Hazard Rating, NFPA

Health

Flammability

Reactivity

Special

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MSDS CHANGES

REV

DATE

DESCRIPTION OF CHANGE

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4/23/13

Reviewed/Updated

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3/20/2014

SDS Format

Disclaimer: The information herein is given in good faith but no warranty expressed or implied is made. This SDS has been prepared by L&R Manufacturing Company.